LOWER-DIVISION REQUIREMENTS

Biology BILD 1____ BILD 2____ BILD 3____
Math 10A____ 10B____ 10C____ (or 20A____ 20B____ 20C____)
Chemistry 6A____ 6B____ 6C____ 7L____
Physics 1A____ 1AL____ 1B____ 1BL____ 1C____ 1CL____
(or 2A____ 2B____ 2C____)
SIO 90____

UPPER-DIVISION REQUIREMENTS

1. Marine Biology Core (all courses required)
SIO 132____ Introduction to Marine Biology
SIO 134____ Introduction to Biological Oceanography
SIO 181____ Marine Biochemistry (prerequisite waived for majors)
SIO 136____ Marine Biology Laboratory
SIO 139____ Current Research in Marine Biology Colloquium

2. Biology Core Courses (all courses required)
SIO 187____ Statistical Methods in Marine Biology
BICD 100____ Genetics

3. Oceans, Physics and Chemistry Requirement*
SIO 119____ Physics and Chemistry of the Ocean

4. Restricted Electives (at least 5 of the following; 2 must be indicated as Lab courses)
SIO 123____ Microbial Environmental Systems Biology
SIO 125____ Biomechanics of Marine Life
SIO 126____ Marine Microbiology
SIO 127____ Marine Molecular Ecology
SIO 128____ Microbial Life in Extreme Environments
SIO 129____ Marine Chemical Ecology
SIO 133____ Marine Mammal Biology
SIO 138____ The Coral Reef Environment
SIO 189____ Pollution, Environment & Health
CHEM 140A____ Organic Chemistry I
CHEM 140B/BH____ Organic Chemistry II
BIBC 102____ Metabolic Biochemistry
BIEB 102____ Introduction to Ecology
BIEB 150____ Evolution
SIO 199____ Independent Study

LAB ELECTIVES:
SIO 101____ California Coastal Oceanography
SIO 104____ Paleobiology & History of Life
SIO 126L____ Marine Microbiology Lab
SIO 147____ Applications of Phylogenetics
SIO 183____ Phycology: Biology of Marine Plants
SIO 184____ Marine Invertebrates
CHEM 143A/AH____ Organic Chemistry Lab
BIBC 103____ Biochemical Techniques Lab

*Effective Spring 2016